FORM PTO-1449 LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 254/255	SERIAL NO. 09/687,759
	APPLICANT: REINITZ, Dr. Ilene et al.	
	FILING DATE: October 12, 2000	GROUP: 2161

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	AA	3,947,120	03/30/1976	Bar-Issac et al.	356	30	10/02/1974
	AB	4,266,871	05/12/1981	Ritzi	356	30	07/28/1978
	AC	09/687,659		Hemphill et al.			10/12/2000

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO
	AD	43465	1976	Israel				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
	AE	Hemphill T.S., Reinitz I.M., Johnson M.L., Shigley J.E. (Fall 1998) Modeling the appearance of the round brilliant cut diamond: An analysis of brilliance. *Gems & Gemology*, Vol. 34, No. 3, pp. 158-183.
	AF	Manson D.V. (1991) Proportion considerations in round brilliant diamonds (abstract), A.S. Keller, Ed., *Facing the Future – Proceedings of the International Gemological Symposium*, 20-24 June 1991, Los Angeles, p. 60.
	AG	Suzuki S. (1970) A new design for brilliance plus dispersion. *Australian Gemmologist*, Vol. 10, No. 10, pp. 13-24
	AH	Harding B.L. (1975) Faceting limits. *Gems & Gemology*, Vol. 15, No. 3, pp. 78-87.
	AI	Dodson J.S. (1978) A statistical assessment of brilliance and fire for polishing gem diamond on the basis of beometrical optics. Ph.D. Thesis, University of London
	AJ	Dodson J.S. (1979) The statistical brilliance, sparkliness and fire of the round brilliant-cut diamond. *Diamond Research*, 1979, pp. 13-17
	AK	Tognoni C. (1990) An automatic procedure for computing the optimum cut proportions of gems. *La Gemmologia*, Vol. 15, No. 3-4, pp. 23-32
	AL	Kato M. (1982) Re-Examination of Optimum Cutting Angles Between Main Facets of Gemostones Based on Geometrical Optics. *Journal of the Gemmological Society of Japan*, Vol. 9, No. 1, 3-17, pp. 127-142.
	AM	Kato M. (1991) Evaluation of brilliancy in relation to various combinations of the main facet angles. *Journal of the Gemmological Society of Japan*, Vol. 16, No. 1-2, pp. 15-23 (and English translation).
	AN	Astric B., Merigoux H., Zecchini P. (1991) Etude theorique de l'aspect d'un diamant taille brilliant en fonction de ses parametres de taille. *Revue de Gemmologie a.f.g.*, No. 107, pp. 17-23 (and English translation).

EXAMINER: Not yet assigned	DATE CONSIDERED:
EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant	

FORM PTO-1449	ATTY. DOCKET NO. 254/255	SERIAL NO. 09/687,759
LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	APPLICANT: REINITZ, Dr. Ilene et al.	
	FILING DATE: October 12, 2000	GROUP: 2161

	AO	Astric B., Merigoux H., Zecchini P. (1992) Etude de la vaariation de l'aspect de pierres taillees a l'aide d'image de synthese. *La Gemmologia*, Vol. 17, No. 1, pp. 7-31 (and English translation).
	AP	Internet (http://www.rockhounds.com/rockshop/gem_designs/gemcad.html) GemCad, a computer program for modeling the appearance of faceted gemstones that has been available for several years (Product Review: GemCad 4.0: Rowland J., Originally Published in the Garnet Gazette March 1994)
	AQ	Internet (http://www.gemology.ru:8101/octonus) Octonus, a company at Moscow State University formed in 1991, that is involved with conducting research on the computer modeling of diamond appearance. This company sells a commercial computer program for light tracing in polished diamonds. They also present results of their research work on diamond appearance on this web site. Inventor first met representative of this group in June 1999.
	AR	Internet (http://www.thunder.prohosting.com/~ultratec/ray.html) GEMRAY, Davis Designs, Strickland R. (last updated August 8, 1999).
	AS	Walters G. (December 1996) Cut Grading: Do the Numbers Add Up? Rapaport Diamond Report, Vol. 19, No. 45, pp. 49-50.
	AT	Gilbertson A., Walters G. (January 1997) What Tolkowsky Really Said. Rapaport Diamond Report, Vol. 20, No. 2, pp. 35-37.
	AU	Gilbertson A., Walters G. (February 1997) The Measure of Beauty, Rapaport Diamond Report, Vol. 20, No. 6, pp. 43-46.
	AV	Gilbertson A. (Fall 1999) The Revolution in Cut Grading, Gems & Gemology, page 157.
	AW	Gilbertson A., Walters G., Mcleod K., Wildman M. (1998), Letting Light Speak for Itself, Advancements in the Science of Cut Analysis, Diamond Profile Laboratory.
	AX	Lakowski R. (July 1977) C24 Diamond Colour Grading: A Comparative Evaluation, Color 77, Invited Lectures and Extended Abstracts of the Papers to be Presented at the Third Congress of the International Colour Association, Rensselaer Polytechnic Institute, Troy, New York, pp. 473-477.
	AY	Dodson J.S. (April 1978) A Statistical Assessment of Brilliance and Fire for the Round Brilliant Cut Diamon, Optica Acta, Vol. 25, No. 8, pp. 681-692.
	AZ	Dodson J.S. (April 1978) The Brilliance, Sparkliness And Fire Of Some Modifications To The Round Brilliant Cut Diamond Style, Optica Acta, Vol. 25, No. 8, pp. 693-699.
	BA	Dodson J.S. (April 1978) The Brilliance, Sparkliness And Fire Of Several Diamond Simulants, Optica Acta, Vol. 25, No. 8, pp. 701-705.
	BB	Stern N. (1975) Computer Ray Tracing in Faceted Gemstones. Master of Science Thesis, Feinberg Graduate School of The Weizmann Institute of Science.
	BC	Kirkpatrick D. G., Walsh J. P. (June 1985) The Geometry of Beam Tracing, ACM Proceedings of The Symposium on Computer Geometry, pp. 55-61.
	BD	Hanrahan R. (May 1986) Using Caching and Breadth-First Search to Speed Up Ray-Tracing (extended abstract), Proceeding of Graphics Interface' 86 and Vision Interface' 86, pp. 56-61.

EXAMINER: Not yet assigned	DATE CONSIDERED:
EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant	

FORM PTO-1449	ATTY. DOCKET NO. 254/255	SERIAL NO. 09/687,759
LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	APPLICANT: REINITZ, Dr. Ilene et al.	
	FILING DATE: October 12, 2000	GROUP: 2161

	BE	Ghazanfarpour D. (February 1992) Visualisation Realiste Par Lancer De Pyramides et Subdivision Adaptative, Proceedings of the 11th International Conference of the CADCAM, Computer Graphics and Computer Aided Technologies, pp 167-180 (and English translation).
	BF	Devillers O. (September 1989) Tool to Study the Efficiency of Space Subdivision Structures for Ray Tracing, pp. 467-481.
	BG	Getto P. (1989) Fast Ray Tracing of Unevaluated Constructive Solid Geometry Models, Proceedings of GC International' 89, Sringer-Verlag, pp. 563-578.
	BH	Glassner A. S. (October 1984) Space Subdivision for Fast Ray Tracing, IEEE Journal of Computer Graphics and Applications, Vol. 4, No. 10, pp. 15-22.
	BI	Heckbert P.S., Hanrahan P. (July 1984) Beam Tracing Polygonal Objects, Computer Graphics – Proceedings of 1984 SIGGRAPH, Vol. 18, No. 3, pp. 119-127.
	BJ	Ohta M., Mackawa M. (1990) Ray-Bound Tracing for Perfect and Efficient Anti-Aliasing, The Visual Computer, International Journal of Computer Graphics, Vol. 6, No. 3, pp. 125-133.
	BK	Picott K. P. (March 1992) Extension of the Linear and Area Lighting Models, The IEEE Journal of Computer Graphics and Applications, Vol. 12, No. 2, pp. 31-38.
	BL	Musgrave F. K. (Sept. 1987) A Realistic Model of Refraction for Computer Graphics, Master of Science in Computer and Information Sciences Thesis, UCSC-CRL-88-11
	BM	Arvo J., Kirk D. (July 1987) Fast Ray Tracing by Ray Classification, Computer Graphics – Proceedings of 1987 SIGGRAPH, Vol. 21, No. 4, pp. 55-64.
	BN	Shoaff W., Recursive Ray Tracing, 01/12/2000, http://www.cs.fit.edu/wds/classes/adv-graphics/raytrace/raytrace.html
	BO	Yuan Y., Kunii T. L., Inamoto N., Sun L. (1988) GemstoneFire: Adaptive Dispersive Ray Tracing of Polyhedrons, The Visual Computer, International Journal of Computer Graphics, Vol. 4, No. 5, pp. 259-270.
	BP	Cleary J. G., Wyvill G. (1988) Analysis of An Algorithm for Fast Ray Tracing Using Uniform Space Subdivision, The Visual Computer, International Journal of Computer Graphics, Vol. 4, No. 2, pp. 65-83.
	BQ	Bauer M. (1968) Precious Stones, Dover Publications Inc.
	BR	Nelson J. B. (July 1989) The Four Optical Attributes of a Diamond, The Journal of Gemmology, Vol. 21, No. 7, pp. 434-447
	BS	Wade F.B., Diamonds – A Study of the Factors that Govern Their Value, G. P. Putnam's Sons, The Knickerbocker Press, pp. 52-81
	BT	Whitlock H. P. (Feb. 7, 1917) The Evolution of the Brilliant Cut Diamond, The Jewelers' Circular, Vol. LXXIV, No. 1, pp. 115-121
	BU	Dake H. C. (Jan. 1953) Proportions for the Brilliant Cut, The Gemmologist, Vol. XXII, No. 258, pp. 17-18
	BV	Inoue K., Quantification and Visualization of Diamond Brilliancy, Journ. Gemmol. Soc., Japan, Vol. 20, pp. 153-167
	BW	Lawrence J. (March/April 1997) Slow Gear for New Technology, Diamond International, No. 46, pp. 57-63
	BX	Kato M. (1987) Elucidation of the Scintillation, Journal of the Gemmological Society of Japan, Vol. 12, No. 1-4, pp. 12-19

EXAMINER: Not yet assigned	DATE CONSIDERED:

EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant

FORM PTO-1449 LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 254/255	SERIAL NO. 09/687,759
	APPLICANT: REINITZ, Dr. Ilene et al.	
	FILING DATE: October 12, 2000	GROUP: 2161

	BY	Toriwaki J., Yokoi S. (1987) Rendering Gems by Computer Graphics, Journal of The Gemmological Society of Japan, Vol. 12, No. 1-4, pp. 3-11
	BZ	Rogers D. F., Procedural Elements for Computer Graphics, 2nd Edition, WCB McGraw-Hill 1998, Table of Contents and Chapters 4-5.
	CA	Woo M., Neider J., Davis T., OpenGL Programming Guide, 2nd Edition, Addison-Wesley Developers Press 1997, Tables of Contents and Chapters 2, 5, and 7.
	CB	Foley J. D., Dam A. V., Feiner S. K., Hughes J. F., Computer Graphics – Principles and Practices, 2nd Edition, Addison-Wesley 1990, Table of Contents and Chapters 13, 15-16.
	CC	Hall R., Illumination and Color in Computer Generated Imagery, Springer-Verlag, New York 1989, Tables of Contents, Chapters 2-4, and Appendix I.
	CD	Long R., Steele N. (1984) *Facet Design*. Seattle Faceting Books, Mercer Island, WA.

EXAMINER: Not yet assigned	DATE CONSIDERED:
EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant	